

COMETTM

MODERN,

MULTI-BAND

ANTENNA

SYSTEMS



MONO-BAND

DUAL-BAND

TRI-BAND

ACCESSORIES



DUAL-BAND BASE AND REPEATER ANTENNAS

This catalog represents the absolute latest, and most diverse Multi-band Antennas available to the modern Amateur Radio Operator. We're confident you will find a COMET Antenna or accessory that will enable you to enjoy Amateur Radio to its fullest.

COMET developed the Super Linear Converter (SLC) to increase the actual gain of dual/tri-band antennas.



PHOTO A

- 1) A completely pre-formed phasing coil and phosphorous copper element eliminates additional components, and gain loss. (Photo A)
- 2) COMET sectional antennas use threaded ABS (transparent to RF) connecting joints for the finest radiation pattern and easiest assembly. (Photo B, C)

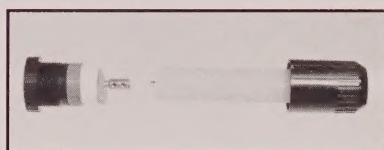


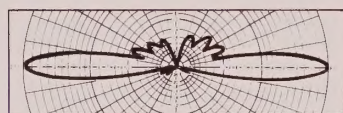
PHOTO B



PHOTO C

- 3) The SLC is electrically very efficient, providing a low angle of radiation directly to the horizon, for maximum performance.

Radiation Pattern



146MHz



446MHz

GPX-2010

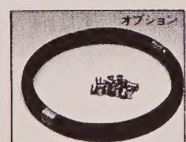
**The Highest Gain 2M/70cm
Omni-directional vertical
in the world!**

146MHz 9.5dBi 446MHz 13.2dBi

GPX-2010

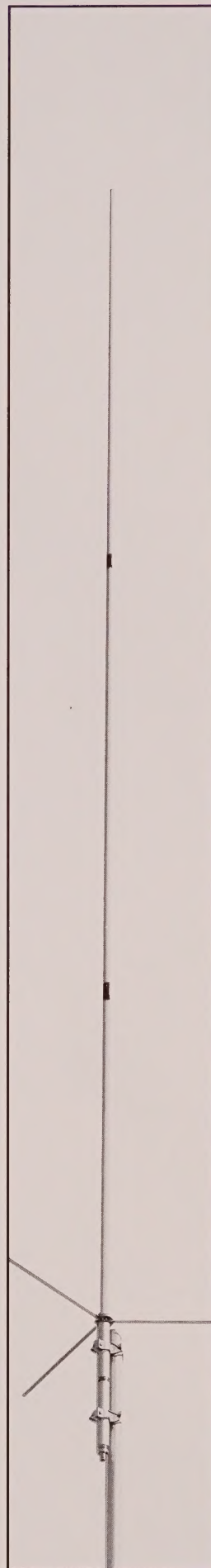
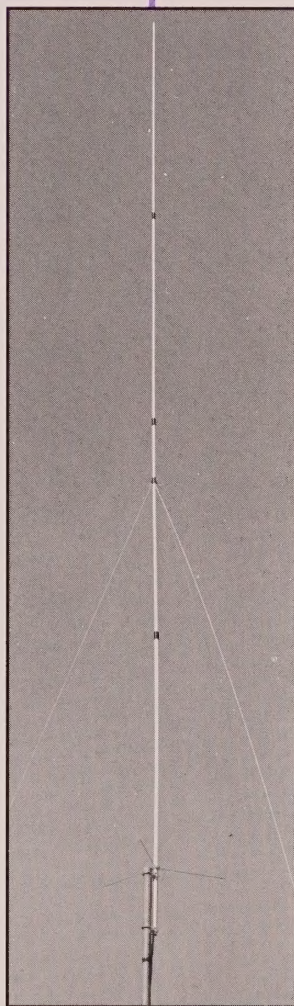
Gain & Wave:
146MHz 9.5dBi $\frac{5}{8}$ wave x 5
446MHz 13.2dBi $\frac{5}{8}$ wave x 12
VSWR: 1.5:1 or less
Max Power: 200 watts
Length: 23' 4"
Weight: 7 lbs. 14 oz.
Mounting Mast Dia: 1 1/4-2 1/2"
Connector: SO-239

S-203



Stay Included

The GPX-2010 will support itself and withstand winds to 65MPH. Non-metal guys are included for additional support.

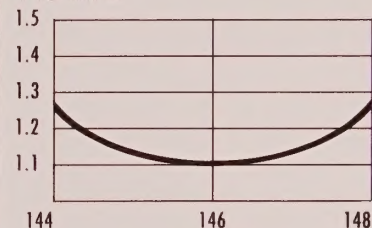


GP-9

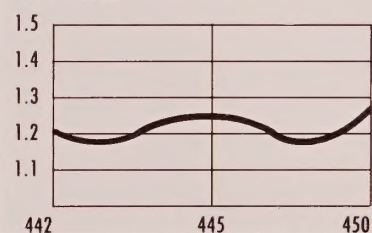
*COMET'S best selling 2M/70cm
Fixed-Station Antenna.*

Featuring the COMET exclusive SLC System for maximum gain, and stable resonant frequencies. Wide band, and like all COMET Antennas, pre-tuned. Heavy-duty fiberglass and a compression washer within the ABS connecting joint prevents moisture/pollution contamination. Simply use the included stainless steel mounting brackets and your mast, and you're ready to experience incredible COMET DualBand performance!

V.S.W.R. Characteristics: 146 MHz



446 MHz



GP-9

GP-9N

DualBand 146/446MHz

Gain & Wave:

146MHz 8.5dBi $\frac{5}{8}$ wave x 3
446MHz 11.9dBi $\frac{5}{8}$ wave x 8

VSWR: 1.5:1 or less

Max Power: 200 watts

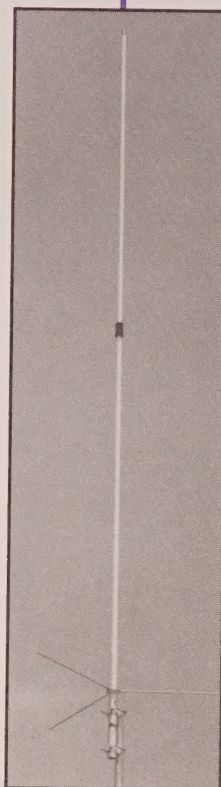
Length: 17' 8"

Weight: 5 lbs. 11 oz.

Mounting to Mast Size: 1 1/4-2 1/2"

Connector: SO-239 or Female N-type

Construction: Heavy-duty fiberglass,
3 sections



GP-6

DualBand 146/446MHz

Gain & Wave:

146MHz 6.5dBi $\frac{5}{8}$ wave x 2
446MHz 9.0dBi $\frac{5}{8}$ wave x 5

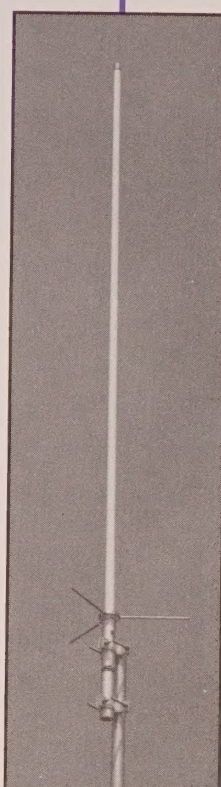
VSWR: 1.5:1 or less

Max Power: 200 watts

Length: 10' 2"

Connector: SO-239

Construction: Heavy-duty fiberglass,
2 sections



GP-3

DualBand 146/446MHz

Gain:

146MHz 4.5dBi
446MHz 7.2dBi

VSWR: 1.5:1 or less

Max Power: 200 watts

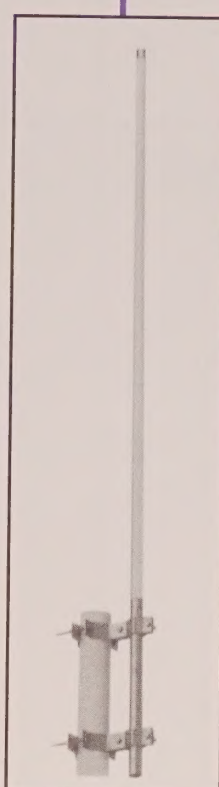
Length: 5' 11"

Weight: 2 lbs. 12 oz.

Mounting Mast Dia: $1\frac{1}{2}$ -2 $\frac{1}{4}$ "

Connector: SO-239

Construction: Heavy-duty fiberglass



CMR-241

DualBand 146/446MHz
Heavy-duty Dualbander

Gain & Wave:

146MHz 4.5dBi $\frac{7}{8}$ wave
446MHz 7.2dBi $\frac{5}{8}$ wave x 3

VSWR: 1.5:1 or less

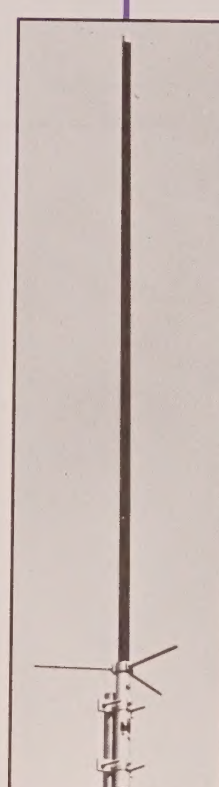
Max Power: 200 watts

Length: 6' 9"

Weight: 5 lbs. 9 oz.

Connector: SO-239

Construction: Single piece heavy-duty
fiberglass. All stainless steel hardware.
135MPH wind survival.



CA-1243Z

DualBand 446/1200MHz

Gain & Wave:

446MHz 9.4dBi $\frac{5}{8}$ wave x 4
1200MHz 12.8dBi $\frac{5}{8}$ wave x 9

VSWR: 1.5:1 or less

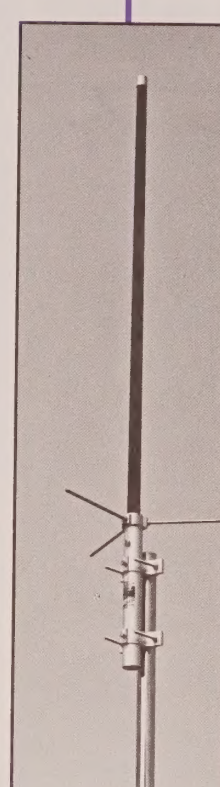
Max Power: 446MHz 150 watts,
1200MHz 50 watts

Length: 7'

Weight: 2 lbs. 8 oz.

Connector: N-type

Construction: Heavy-duty fiberglass



CA-1243E

DualBand 446/1200MHz

Gain: 446MHz 6.0dBi,
1200MHz 8.4dBi

VSWR: 1.5:1 or less

Max Power: 446MHz 150 watts,
1200MHz 50 watts

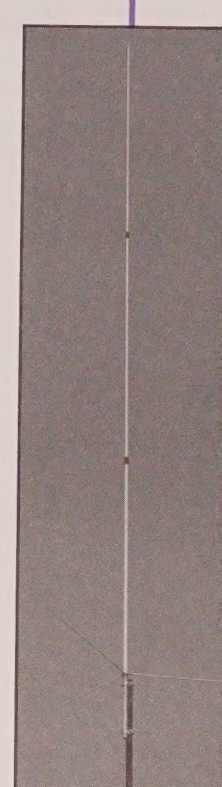
Length: 3' 4"

Weight: 1 lbs. 13 oz.

Mounting Mast Dia: $1\frac{1}{4}$ -2 $\frac{1}{2}$ "

Connector: N-type

Construction: Heavy-duty fiberglass



CA-350DB

DualBand Base Repeater
28-29.7MHz, 52-54MHz

Gain: 2.15dBi/6.5dBi

VSWR: Less than 2:1

Max Power: 200 watts SSB,
100 watts FM

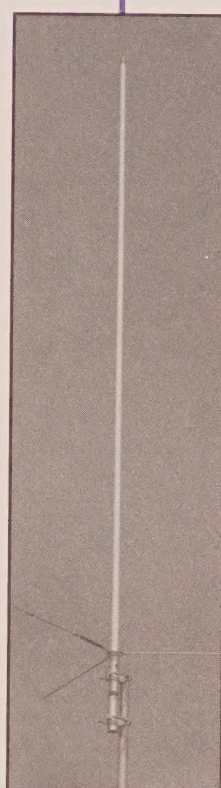
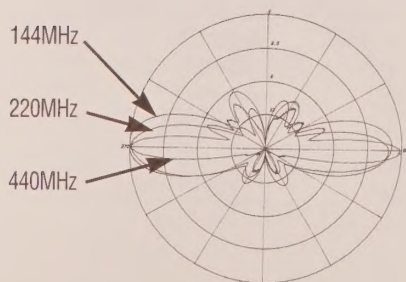
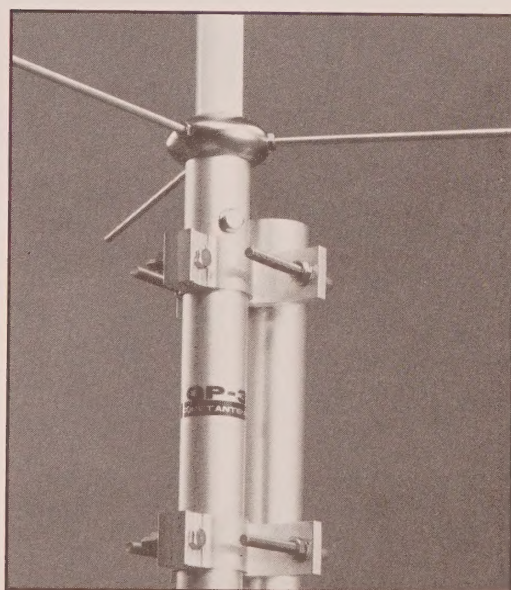
Length: 21' 6"

Weight: 7.5 lbs.

Connector: SO-239

Construction: Heavy-duty fiberglass,
3 sections

TRI-BAND BASE AND REPEATER ANTENNAS



GP-15

Tri-Band 52/146/446MHz

Gain & Wave:

52MHz 3.0dBi $\frac{5}{8}$ wave
146MHz 6.2dBi $\frac{5}{8}$ wave x 2
446MHz 8.6dBi $\frac{5}{8}$ wave x 4

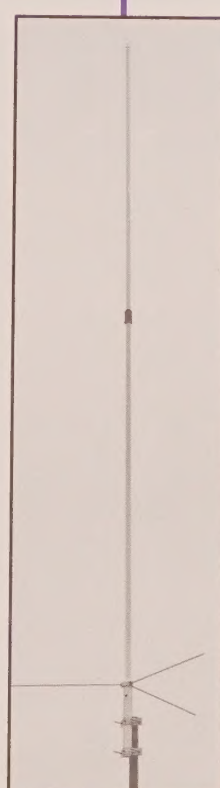
VSWR: 1.5:1 or less

Max Power: 150 watts

Length: 7' 11" Weight: 3 lbs. 1 oz.

Connector: SO-239

Construction: Heavy-duty fiberglass,
single piece



CX-333

Tri-Band 146/220/446MHz

Gain & Wave:

146MHz 6.5dBi $\frac{5}{8}$ wave x 2
223MHz 7.8dBi $\frac{5}{8}$ wave x 3
446MHz 9.0dBi $\frac{5}{8}$ wave x 5

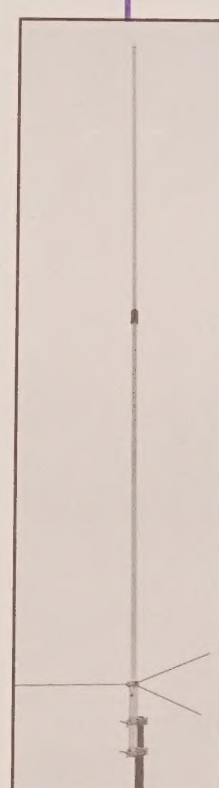
VSWR: 1.44-1.47 5MHz, 220-

225MHz, 440-450MHz

Max Power: 120 watts

Length: 10' 2" Connector: SO-239

Construction: Heavy-duty fiberglass,
2 sections



GP-98

Tri-Band 146/446/1200MHz

Gain & Wave:

146MHz 6.5dBi $\frac{5}{8}$ wave x 2
446MHz 9.0dBi $\frac{5}{8}$ wave x 5
1200MHz 13.5dBi $\frac{5}{8}$ wave x 12

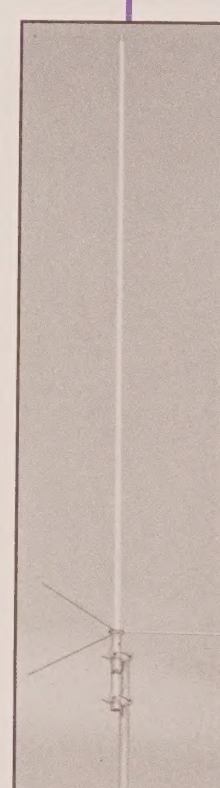
VSWR: 1.5:1 or less

Max Power: 150W/100W 1200MHz

Length: 9' 8" Weight: 6 lbs. 10 ozs.

Connector: N-Type

Construction: Heavy-duty fiberglass,
2 sections



GP-93

Tri-Band 146/446/1200MHz

Gain & Wave:

146MHz 4.5dBi $\frac{5}{8}$ wave
446MHz 7.2dBi $\frac{5}{8}$ wave x 3
1200MHz 10dBi $\frac{5}{8}$ wave x 6

VSWR: 1.5:1 or less

Max Power: 150W/100W 1200MHz

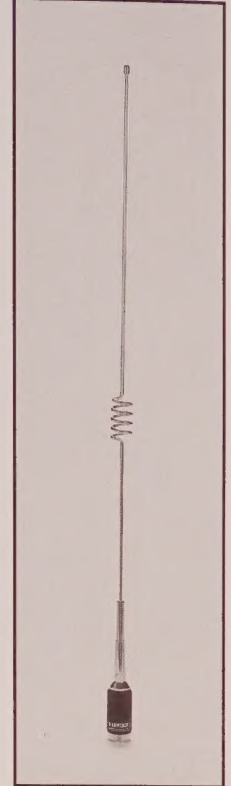
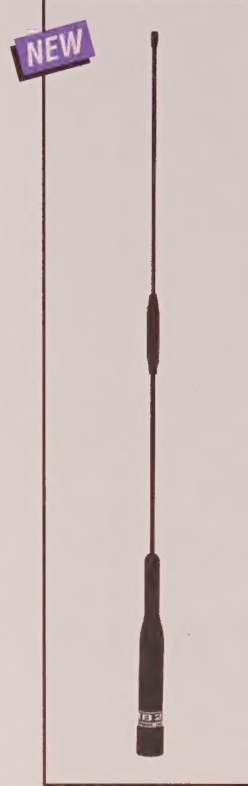
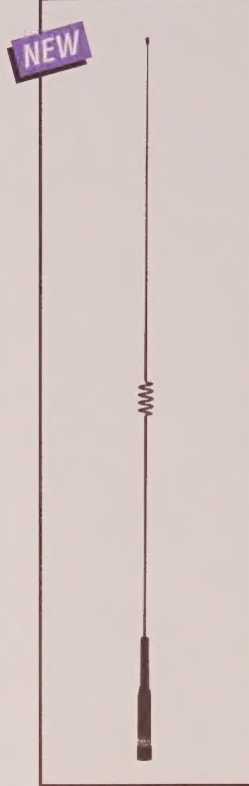
Length: 5' 7" Weight: 2 lbs. 9 ozs.

Mounting Mast Dia: $1\frac{1}{4}$ -2 $\frac{1}{2}$ "

Connector: N-Type

Construction: Heavy-duty fiberglass,
single piece

DUAL-BAND MOBILE ANTENNAS



COMET'S Best Mobiles!

Sleek Design, 24kt Gold Plated Center Conductor, and THEFT RESISTANT Locking Feature!

Z780

DualBand 146/446MHz with Theft-Resistant Lock

Gain & Wave:

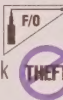
146MHz 4.5dBi $\frac{5}{8}$ wave
446MHz 7.2dBi $\frac{5}{8}$ wave x 3

VSWR: 1.5:1 or less

Max Power: 150 watts

Length: 5'

Connector: Gold-Plated PL-259



Z750

DualBand 146/446MHz with Theft-Resistant Lock

Gain & Wave:

146MHz 2.15dBi $\frac{1}{2}$ wave
446MHz 5.5dBi $\frac{5}{8}$ wave x 2

VSWR: 1.5:1 or less

Max Power: 200 watts

Length: 38"

Connector: Gold-Plated PL-259



SBB-7/SBB-7NMO

DualBand 146/446MHz

Gain & Wave:

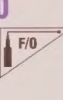
146MHz 4.5dBi $\frac{5}{8}$ wave center-load
446MHz 7.2dBi $\frac{5}{8}$ wave x 3

VSWR: 1.5:1 or less

Max Power: 70W FM

Length: 4' 7"

Connector: Gold-Plated PL-259 or NMO Style



SBB-5/SBB-5NMO

DualBand 146/446MHz

Gain & Wave:

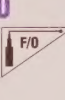
146MHz 3.0dBi $\frac{1}{2}$ wave
446MHz 5.5dBi $\frac{5}{8}$ wave x 2

VSWR: 1.5:1 or less

Max Power: 120W FM

Length: 38"

Connector: Gold-Plated PL-259 or NMO Style



SBB-2/SBB-2NMO

DualBand 146/446MHz

Gain & Wave:

146MHz 2.15dBi $\frac{1}{4}$ wave
446MHz 3.8dBi $\frac{5}{8}$ wave

VSWR: 1.5:1 or less

Max Power: 100 watts

Length: 18"

Connector: Gold-Plated PL-259 or NMO Style

HP-32

HIGH POWER DualBand 146/446MHz

Gain & Wave:

146MHz 3.0dBi $\frac{1}{2}$ wave
446MHz 5.5dBi $\frac{5}{8}$ wave x 2

VSWR: 1.5:1 or less

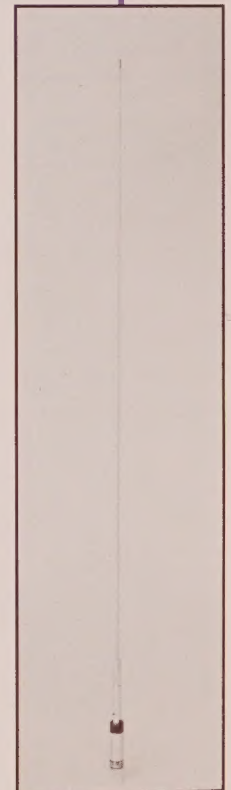
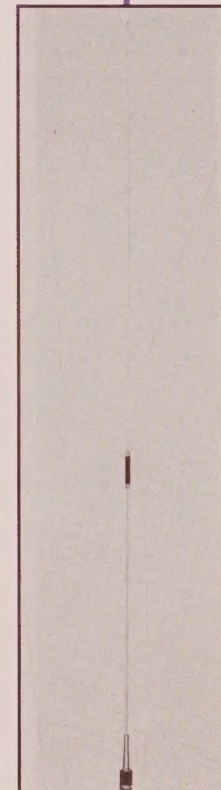
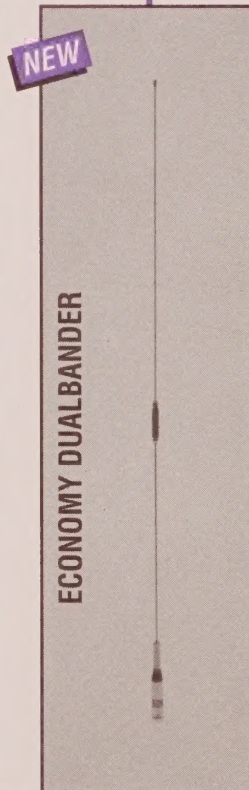
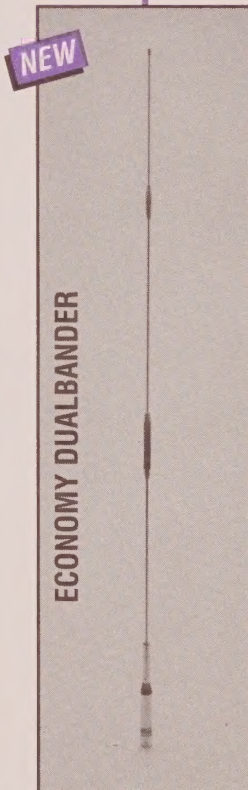
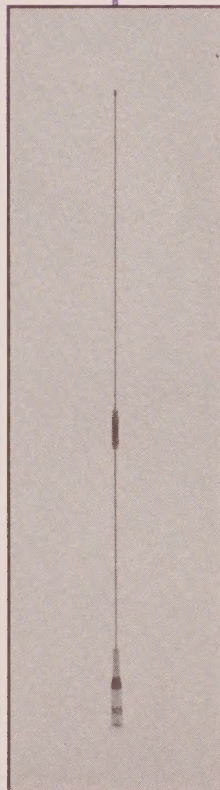
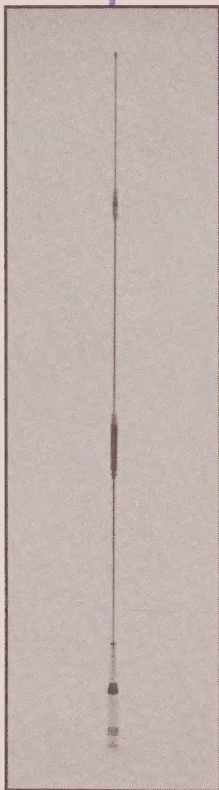
Max Power: 350/250 watts

Length: 35"

Connector: PL-259



4



B-10/B-10NMO

DualBand 146/446MHz

Gain & Wave:

146MHz -dBi $\frac{1}{4}$ wave
446MHz 2.15dBi $\frac{1}{2}$ wave

VSWR: 1.5:1 or less

Max Power: 50 watts

Length: 12"

Connector: PL-259 or NMO Style

Construction: Black, cellular look-a-like

B-20/B-20NMO

DualBand 146/446MHz

Gain & Wave:

146MHz 2.15dBi $\frac{1}{2}$ wave
446MHz 5.0dBi $\frac{5}{8}$ wave x 2

VSWR: 1.5:1 or less

Max Power: 50 watts

Length: 30"

Connector: PL-259 or NMO Style

Construction: Black, cellular appearance

CHL-62S/CHL-62SNMO

DualBand 146/446MHz

Gain & Wave:

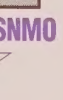
146MHz 3.5dBi $\frac{1}{2}$ wave
446MHz 6.0dBi $\frac{5}{8}$ wave x 2

VSWR: 1.5:1 or less

Max Power: 120 watts

Length: 42"

Connector: PL-259 or NMO Style



CHL-28J/CHL-28JNMO

DualBand 146/446MHz

Gain & Wave:

146MHz 3.0dBi $\frac{1}{2}$ wave
446MHz 5.5dBi $\frac{5}{8}$ wave x 2

VSWR: 1.5:1 or less

Max Power: 60 watts

Length: 36"

Connector: PL-259 or NMO Style

CHL-350

DualBand Mobile 28-29MHz, 52-54MHz

Gain & Wave:

28MHz 0dBi $\frac{1}{4}$ wave
50MHz 2.15dBi $\frac{1}{2}$ wave

VSWR: 1.5:1 or less

Max Power: 200 watts

SSB/100 watts FM

Length: 7"

Connector: PL-259



SB-214W

DualBand 146/220MHz

Gain & Wave:

146MHz 1.7dBi $\frac{1}{2}$ wave
220MHz 3.4dBi $\frac{5}{8}$ wave

VSWR: 1.5:1 or less

Max Power: 100 watts

Length: 2' 11"

Connector: PL-259



HT ANTENNAS

NEW



SMA-3

HT/Wide Band Receive Antenna For Standard C-508A, ICOM T-21A

Gain: 146MHz - 1.2dBi
446MHz - 1.7dBi
900MHz - 3.4dBi

VSWR: 2:1 or less
Max Power: 10 watts
Length: 9.75"
Connector: Male SMA



CH-72S

146/446MHz Flexible, Durable HT Wide Band Receive Antenna

Gain & Wave:
146MHz - 1/4 wave
446MHz 3.2dBi 3/4 wave
VSWR: 1.5:1 or less
Max Power: 50 watts
Length: 15"
Connector: BNC



SH-55

146/446MHz HT Antenna Lightweight and Super Flexible

Gain & Wave:
146MHz 1.5dBi 1/4 wave
446MHz 3.2dBi 3/4 wave
VSWR: 1.5:1 or less
Max Power: 10 watts
Length: 15.5"
Connector: BNC



CH-720C

146/446MHz HT Antenna Bottom Section Rigid, Top Flexible

Gain & Wave:
146MHz - 1/4 wave
446MHz 3.8dBi 3/4 wave
VSWR: 1.5:1 or less
Max Power: 50 watts
Length: 18"
Connector: BNC



CH-722SA

146/446MHz HT Antenna 2 Sections, Unscrews at Mid-Coil

Gain & Wave:
146MHz 3.0dBi 1/2 wave
446MHz 5.5dBi 3/4 wave x 2
VSWR: 1.5:1 or less
Max Power: 50 watts
Length: 35.5"
Weight: 3.9 ozs.
Connector: BNC



CH-701X Miracle Boy

146/446/905MHz TX HT Antenna, 5 Band RX Antenna, 144/300/440/800/900MHz Bottom Section Rigid, Top Flexible

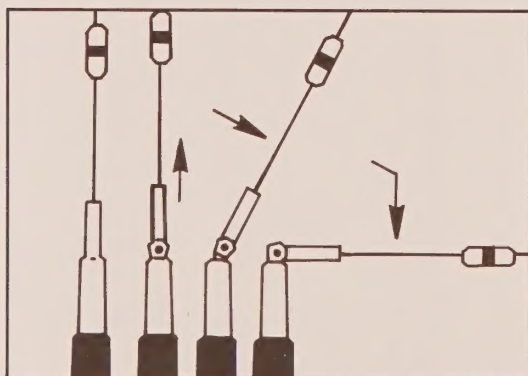
Gain & Wave:
146MHz - 1/4 wave
446MHz 3.4dBi 3/4 wave
900MHz 5.5dBi 3/4 wave x 2
VSWR: 1.5:1 or less
Max Power: 10 watts Length: 19"
Connector: BNC

5



CQ-5M

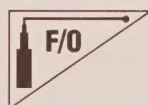
Comet's newest deluxe mount with a unique, quick disconnect feature. See page 11 for details.



Fold-Over Feature

Comet mobile antennas over 24" in length have this feature.

Pull up on lower element and fold the antenna over for entering garages, parking structures, etc. Do not drive with the antenna folded over.



Indicates Fold-Over Feature



SH-95

146/446/1200MHz TX, Plus 6 Band RX 100/300/400/800/900/1200MHz Super Flexible

Gain & Wave:
146MHz 1.5dBi 1/4 wave
446MHz 2.15dBi 1/2 wave
1200MHz 5.5dBi 3/4 wave x 2
Max Power: 10 watts
Length: 14.5"
Connector: BNC



CH-32

Miracle Baby 146/446MHz HT Antenna, Compact Design, the Smallest HT Antenna Available!

Gain & Wave: 0dBi 1/4 wave
Max Power: 10 watts
Length: 1.75"
Connector: BNC

SPEAKER/MICROPHONES



HM-P2

Mini Speaker/Microphone.

Ultra-light weight, mini-size but high power, condenser mic provides clear TX audio. Rear clip for collar, tie, etc.

HM-P2K: For Kenwood

HM-P2F: For Yaesu/icom/Standard/Alinco/etc.



HM-P4

HT Look-A-Like Speaker/Microphone

Ultra-light weight, with the uncanny appearance of a hand-held radio! Fun to use and sure to draw attention, the HM-P4 has a high quality condenser Mic and small but high quality speaker.

HM-P4F: For Icom/Standard/Alinco

HM-P4Y: For Yaesu

HM-P4K: For Kenwood

TRI-BAND MOBILE ANTENNAS



**CX-224/
CX-224NMO**
Tri-Band 146/220/446MHz

Gain & Wave:
146MHz 2.15dBi ½ wave
220MHz 3.5dBi ¾ wave
446MHz 6.0dBi ¾ wave x 2
VSWR: 1.5:1 or less
Max Power: 100 watts **Length:** 3'
Connector: Gold-Plated PL-259
or NMO Style



SB-97
Tri-Band Mobile
Antenna
146/446/1200MHz

Gain & Wave:
146MHz 3dBi ½ wave
446MHz 6.8dBi ¾ wave x 2
1200MHz 9.6dBi ¾ wave x 5
VSWR: 1.5:1 or less
Max Power: 100 watts
Length: 3' 3"
Connector: N-Type



SB-94
Tri-Band Mobile
Antenna
146/446/1200MHz

Gain & Wave:
146MHz 2.15dBi ¼ wave
446MHz 5.1dBi ¾ wave
1200MHz 7.2dBi ¾ wave x 3
VSWR: 1.5:1 or less
Max Power: 60W/30W 1200MHz
Length: 24"
Connector: N-Type



FS-92B
Tri-Band Mobile Antenna Black
146/446/1200MHz

Gain & Wave:
146MHz 2.1dBi ¼ wave
446MHz 4.1dBi ¾ wave
1200MHz 6.8dBi ¾ wave x 3
VSWR: 1.5:1 or less
Max Power: 50 watts
Length: 23"
Connector: N-Type



SB-83
Tri-Band Mobile
Antenna
146/446MHz/Cellular

Gain & Wave:
146MHz 3dBi ½ wave
446MHz 6dBi ¾ wave x 2
Cellular: Unity
VSWR: 1.5:1 or less
Max Power: 100 watts
Length: 33"
Connector: N-Type



SBB-15
Tri-Band Mobile
Antenna
50/146/446MHz

Gain & Wave:
52MHz 2.15dBi ¼ wave
146MHz 4.5dBi ¾ wave center-loaded
446MHz 7.2dBi ¾ wave x 3
VSWR: 1.5:1 or less
Max Power: 120 watts FM
Length: 4' 10"
Connector: PL-259



SINGLE-BAND MOBILE ANTENNAS



SB-25/SB-25NMO
144-148MHz

Gain & Wave:
4.1dBi ¾ wave
VSWR: 1.5:1 or less
Max Power: 100 watts
Length: 4' 8"
Connector: Gold-Plated PL-259
or NMO Style



SB-44
440-450MHz

Gain & Wave:
5.5dBi ¾ wave x 2
VSWR: 1.5:1 or less
Max Power: 130 watts
Length: 28"
Connector: Gold-Plated PL-259



CA-220MR
220-225MHz

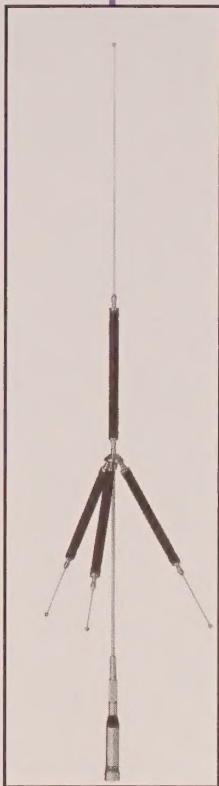
Gain & Wave:
4.2dBi ¾ wave
VSWR: 1.5:1 or less
Max Power: 200 watts
Length: 3' 3"
Connector: PL-259



SB-123
1260-1300MHz

Gain & Wave:
6.8dBi ¾ wave x 3
VSWR: 1.5:1 or less
Max Power: 50 watts
Length: 22"
Connector: N-Type

MULTI-BAND HF MOBILE ANTENNAS



HA-4S

Quad-Band HF Mobile
7, *14, 21, 24, 28MHz

Wave: 1/4 wave

VSWR: Less than 2:1

Max Power: 7/21/24/28MHz 120 watts SSB

14MHz 200 watts SSB

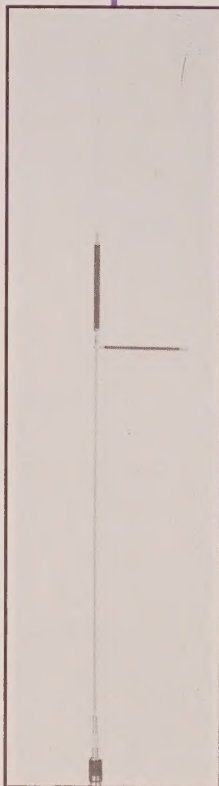
Weight: 1 lb. 14 ozs.

Length: 4' 10"

Connector: PL-259

Construction: Heavy-Duty, w/Fold-Over

*L-14HS: Optional 14MHz Coil
for HA-4S



CA-HV

Quad-Band Mobile Antenna
7, *14, 21, 28, 50, 146MHz

Gain & Wave:

50MHz 2.15dBi 1/4 wave

146MHz 3.4dBi 5/8 wave

VSWR: 1.5:1 or less

Max Power: 7/21/28MHz 120 watts SSB

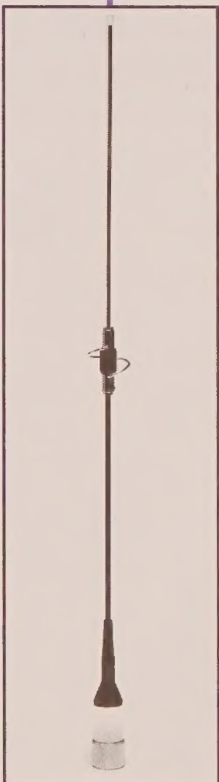
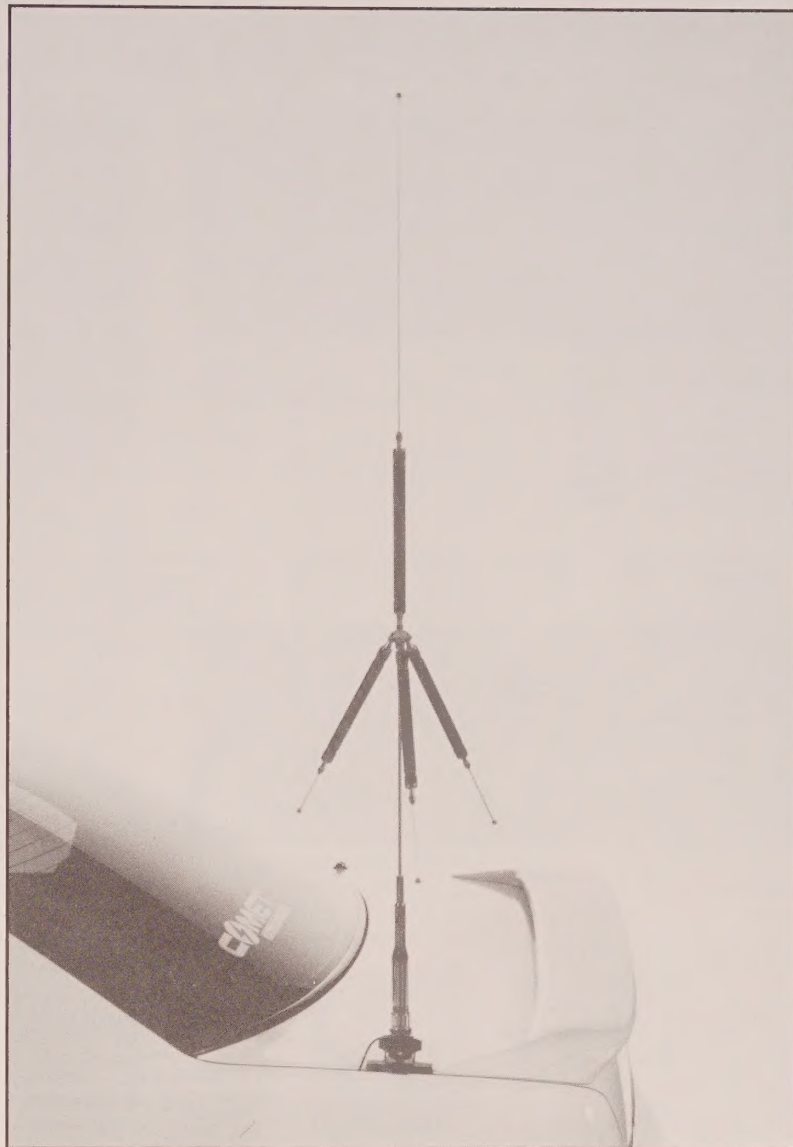
50/146MHz 200 watts SSB

Weight: 14-19 ozs. (Max)

Length: 6' 4" (Max) Connector: PL-259

Construction: Heavy-Duty, w/Fold-Over

*L-14: Optional 14MHz Coil for CA-HV



CMW-202N

Mobile Antenna
900-930MHz

Gain & Wave:

5.1dBi 5/8 wave x 2

VSWR: 1.5:1 or less

Max Power: 50 watts

Length: 18"

Connector: N-Type



SF-245

Mono Band 2400MHz
Mobile Antenna

Gain & Wave:

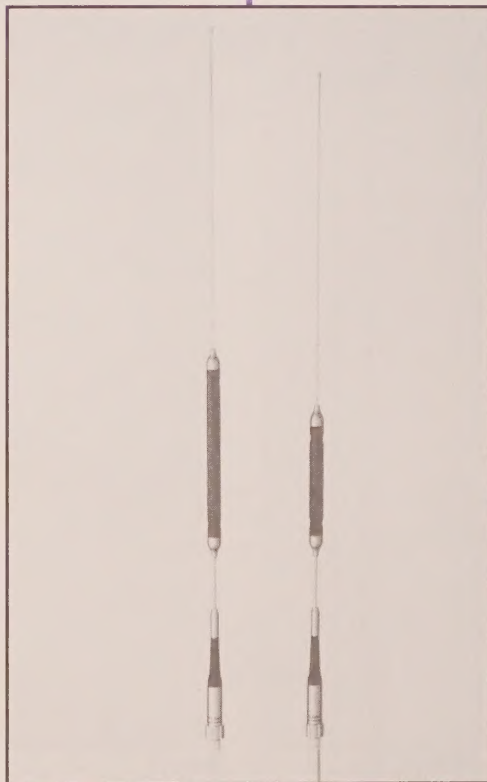
7.4dBi 1/2 wave x 5

VSWR: 1.5:1 or less

Max Power: 50 watts

Length: 18"

Connector: N-Type



FL-7HA

40 Meter Mobile
Antenna

Wave: 1/4 wave

VSWR: 1.5:1 or less

Max Power: 120 watts SSB

Length: 40"

Connector: PL-259



FL-14HA

20 Meter Mobile
Antenna

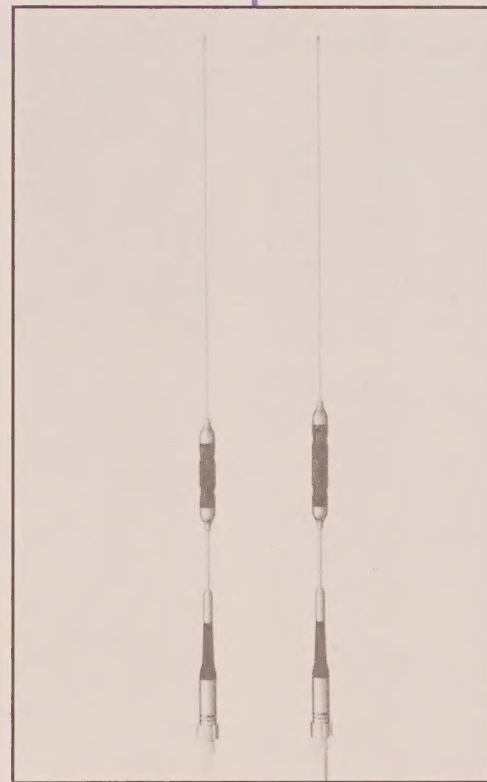
Wave: 1/4 wave

VSWR: 1.5:1 or less

Max Power: 120 watts SSB

Length: 37"

Connector: PL-259



HA028

10 Meter Mobile
Antenna

Wave: 1/4 wave

VSWR: 1.5:1 or less

Max Power: 120 watts SSB

Length: 33"

Connector: PL-259



HA050

6 Meter Mobile
Antenna

Wave: 1/4 wave

VSWR: 1.5:1 or less

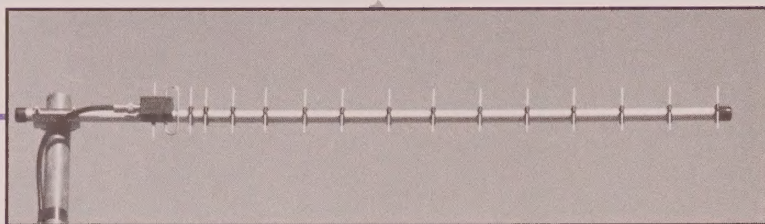
Max Power: 120 watts SSB

Length: 33"

Connector: PL-259



SINGLE-BAND BASE AND REPEATER ANTENNAS



CYA-1216E

16 Element Yagi Beam 1260-1300MHz

Gain: 16.6dBi

VSWR: 1.5:1 or less

Max Power: 100 watts

Polarization: Vertical or Horizontal

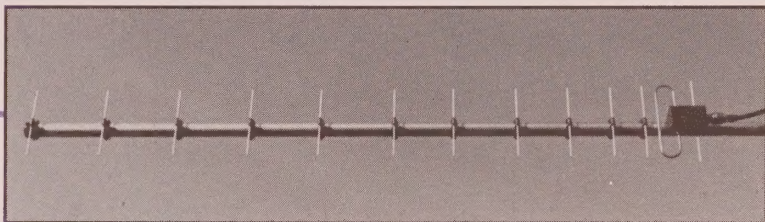
Length: 4' 6"

Weight: 7 lbs. 11 ozs.

Mounting Mast Dia: 1-2 1/2"

Connector: N-Type

Construction: Aluminum, pre-assembled



PYA-913

13 Element Yagi 904-920MHz

Gain: 15.8dBi F/B ratio over 20dB

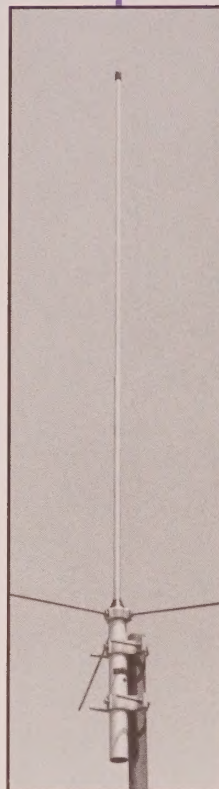
VSWR: 1.5:1 or less

Max Power: 150 watts

Length: 4' 8"

Connector: N-Type

Construction: Aluminum, pre-assembled



CA-ABC 21

Mono Band 146MHz Base Antenna, Condo/Apt Size

Gain & Wave: 3.4dBi 1/2 wave

VSWR: 1.5:1 or less

Max Power: 200 watts

Length: 4' 7" Weight: 1 lb. 14 ozs.

Mounting Mast Dia: 1 1/2-2 1/4"

Connector: SO-239

Construction: Aluminum



CA-ABC22a

Mono Band 146MHz Base/Repeater Antenna

Gain & Wave: 6.5dBi 1/2 wave x 2

VSWR: 1.5:1 or less

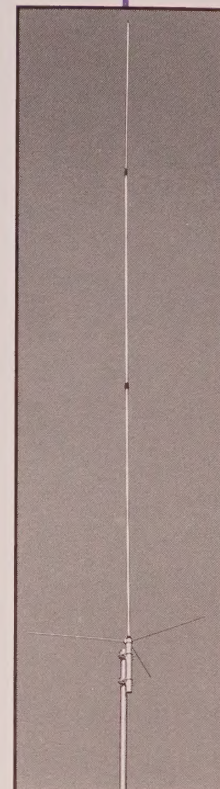
Max Power: 200 watts

Length: 9' 5" Weight: 2 lbs. 7 ozs.

Mounting Mast Dia: 1-2 1/2"

Connector: SO-239

Construction: Aluminum, 2 sections



CA-ABC 23

Mono Band 146MHz Base/Repeater Antenna

Gain & Wave: 7.8dBi 1/2 wave x 3

VSWR: 1.5:1 or less

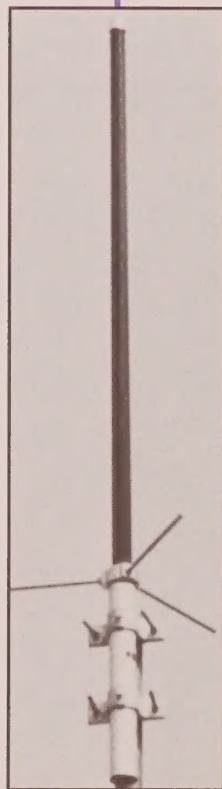
Max Power: 200 watts

Length: 13' 4" Weight: 3 lbs. 8 ozs.

Mounting Mast Dia: 1-2 1/2"

Connector: SO-239

Construction: Aluminum, 3 sections



CA-F72GF

UHF Base Antenna w/Cutting Chart. User tunable for operation between 440-470MHz. After tuning, 10MHz Bandwidth.

Gain: 6.0dBi

VSWR: 1.5:1 or less

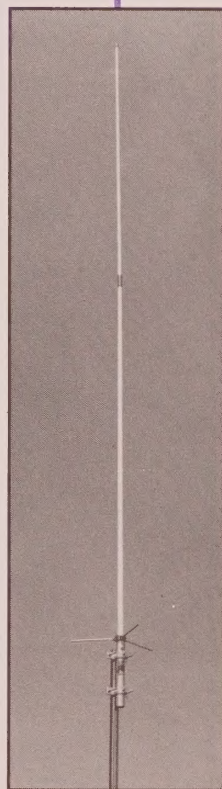
Max Power: 150 watts

Length: 4' 7" Weight: 1 lb. 14 ozs.

Mounting Mast Dia: 1 1/2-2 1/4"

Connector: SO-239

Construction: Single-piece fiberglass



CA-712EF

Mono Band 440-450MHz Base/Repeater Antenna

Gain & Wave: 9dBi 1/2 wave x 12

VSWR: 1.5:1 or less

Max Power: 200 watts

Length: 10' 5" Weight: 3 lbs.

Mounting Mast Dia: 1 1/2-2 1/2"

Connector: N-Type

Construction: Heavy-duty fiberglass, 2 sections



CA-Super22

220MHz Base/Repeater Antenna

Gain & Wave: 6.6dBi 1/2 wave x 2

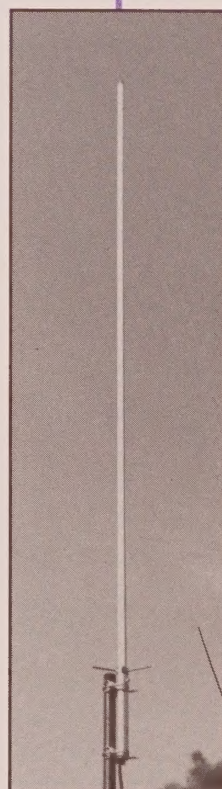
VSWR: 1.5:1 or less

Max Power: 150 watts

Length: 8' Weight: 2 lbs. 13 ozs.

Connector: SO-239

Construction: Single-piece fiberglass



FP-19

Base/Repeater Antenna 905-925MHz

Gain & Wave: 16dBi 1/2 wave x 19

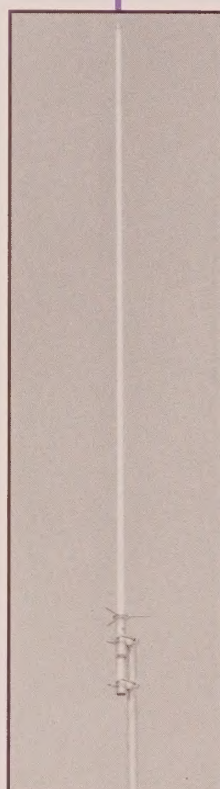
VSWR: 1.2:1 or less

Max Power: 100 watts

Length: 7' 4"

Connector: N-Type

Construction: Single-piece fiberglass



GP-21

Mono Band 1200MHz Base/Repeater Antenna

Gain & Wave: 11.7dBi 1/2 wave x 21

VSWR: 1.5:1 or less

Max Power: 100 watts

Length: 8' 2" Weight: 2 lbs. 8 ozs.

Connector: N-Type

Construction: Single-piece fiberglass



GP-24

Mono Band 2400MHz Base/Repeater Antenna

Gain & Wave: 12.4dBi 1/2 wave x 22

VSWR: 1.5:1 or less

Max Power: 100 watts

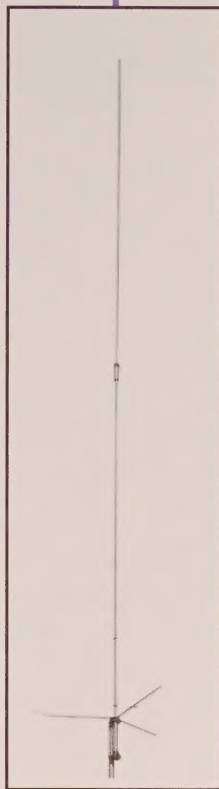
Length: 4' 8" Weight: 2 lbs.

Connector: N-Type

Construction: Single-piece fiberglass

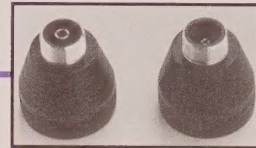


CA-F22GF
VHF Base Antenna w/Cutting Chart. User tunable for operation between 136-175MHz. After tuning, 4MHz Bandwidth.
Gain: 5.5dBi
VSWR: 1.5:1 or less
Max Power: 150 watts
Length: 8' 10" **Weight:** 2 lbs.
Mounting Mast Dia: 1½-2¼"
Connector: SO-239
Construction: Single-piece fiberglass

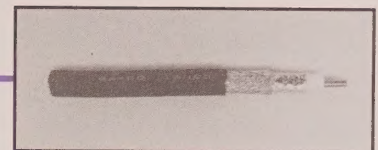


CA-62DB
6 Meter Vertical
Gain & Wave:
52MHz 6.5dBi ¾ wave x 2
VSWR: 1.5:1 or less
Max Power: 500 watts SSB
Length: 21' **Weight:** 5 lbs. 11 ozs.
Mounting Mast Dia: 1¼-2"
Max Wind Speed: 100MPH
Connector: SO-239
Construction: Heavy-duty aluminum

LOW-LOSS COAX AND CONNECTORS



AD-10N
AD-15M
AD-10N: N-NMO adapter
AD-15M: UHF-NMO adapter

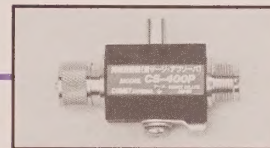


5D-FB 10D-FB
Coax
5D-FB: Loss per 100' at 400MHz 3.4dB
10D-FB: Loss per 100' at 400MHz 2.0dB
(RG-58/U loss per 100' at 400MHz 12dB +)
(RG-9913 loss per 100' at 400MHz 2.6dB)

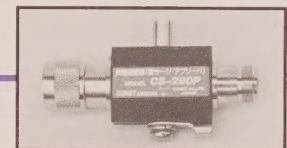
Coax Connectors

Model No.	Description
5D-NPC	Male N-Conn for 5D Coax
5D-NJC	Female N-Conn for 5D Coax
5D-MPC	Male UHF-Conn for 5D Coax
5D-BPC	BNC Conn for 5D Coax
5D-TNC	TNC Conn for 5D Coax
10D-NPC	Male N-Conn for 10D Coax
10D-NJC	Female N-Conn for 10D Coax
10D-MPC	Male UHF-Conn for 10D Coax

LIGHTNING ARRESTORS



CS-400P
Lightning Protector
Freq. Range: DC-500MHz
Max Power: 500 watts PEP
Connectors: SO-239/PL-259
Min. Voltage: DC 400v + - 15%
Insertion Loss: Less than 0.1dB
VSWR: Less than 1.1:1



CS-290P
Lightning Protector
Freq. Range: DC-1500MHz
Max Power: 300 watts PEP
Connectors: N-Female/N-Male
Min. Voltage: DC 290v + - 15%
Insertion Loss: Less than 0.1dB
VSWR: Less than 1.1:1

SPEAKERS

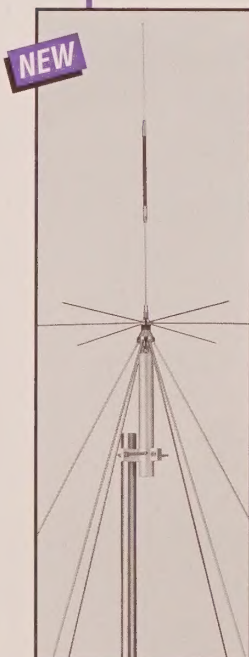


CSP-80
Mini Speaker with magnetic mount, noise filter and 8dB mute. Excellent audio quality! Dimensions: 5" x 4" x 1.5".



CSP-30
Mini Speaker with magnetic mount. Excellent audio quality! Dimensions: 2.75" x 3" x 1".

DISCONE ANTENNA



DS15
RX: 25-1500MHz
TX:
6M/2M/440/900/1200MHz
Length: 4'8"
Max Power: 100 watts
Weight: 3 lbs. 3 ozs
Connector: SO-239

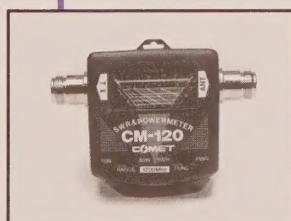
SWR/POWER METERS



CM-690
HF/6M Minimeter
1.9-60MHz
Power Range: 20/150 watt
Insertion Loss: 0.1 dB
Impedance: 50 Ohm
Connectors: SO-239



CM-720
CM-720N
VHF/UHF Minimeter
140-150MHz/430-450MHz
Power Range: 15/60 watt
Insertion Loss: 0.3dB
Impedance: 50 Ohm
Connectors: SO-239 or N-Type
A convenient, small size SWR/PWR meter that reads SWR directly low loss allows permanent installation.

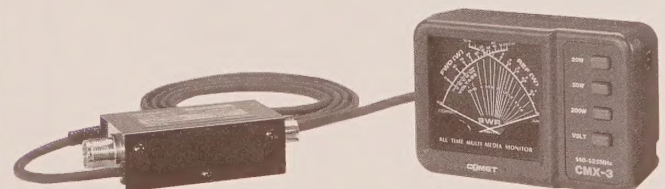


CM-120
1240-1300MHz Minimeter
Power Range: 15/60 watt
Insertion Loss: .45dB
Impedance: 50 Ohm
Connectors: Female N-Conns

CM-903
900-920MHz Minimeter

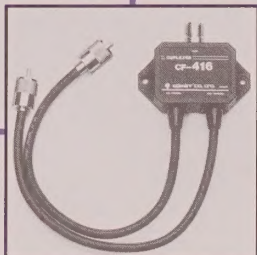
CROSS NEEDLE METERS

- Separate Meter and RF Sensor allow for convenient placement of the meter.
- Cross Needle Meter provides FWD, REF, and VSWR simultaneously.
- The RF-Sensor is a compact design, and has an extremely low-loss circuit.
- Beautifully illuminated when connected to power supply.
- 6 feet of cable included
- EKS-3: Optional 10 foot extension cable between meter and sensor. (Total of 16 feet)



SPECIFICATIONS	CMX-1	CMX-2	CMX-3
Frequency Range	1.8-60MHz	1.8-200MHz	140-525MHz
Measurable Power Range	0-2KW	0-200W	0-200W
Power Range	30/300/2KW	20/50/200W	20/50/200W
Input Loss	Less than 0.2dB	Less than 0.2dB	Less than 0.3dB
Min. Power for SWR Measurement	Approx. 6W	Approx. 4W	Approx. 4W

DUPLEXERS

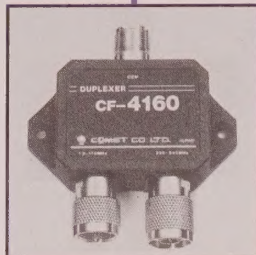


CF-416A, CF-416C
146/446MHz

Band Pass	Ins. Loss	Max Power
1.3-150MHz	0.15dB	800w PEP
400-540MHz	0.25dB	500w PEP

Isolation: 60dB

CONNECTORS:	CF-416A	CF-416C
Output:	SO-239	N-Female
Low In:	PL-259	PL-259
High In:	PL-259	N-Male

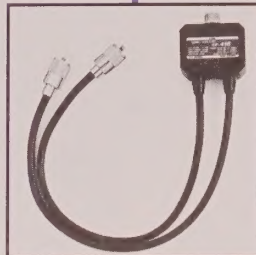


CF-4160K, 4160I, 4160J
146/446MHz

Band Pass	Ins. Loss	Max Power
1.3-150MHz	0.1dB	800w PEP
400-540MHz	0.2dB	500w PEP

Isolation: 60dB

CONNECTORS:	CF-4160K	CF-4160I	CF-4160J
Output:	SO-239	SO-239	SO-239
Low In:	PL-259	PL-259	SO-239
High In:	PL-259	N-Male	SO-239



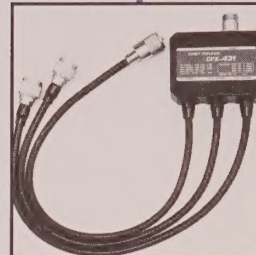
CF-416W
Multi-Option Duplexer 2M/440MHz -
220MHz/440MHz - 2M/440-1200MHz

Band Pass	Ins. Loss	Max Power
1.3-250MHz	.2dB	400w PEP
400-1400MHz	.25-.3dB	200w PEP

Isolation: 30dB

CONNECTORS:	Low In:	High In:
Output:	N-Female	N-Male
Low In:	PL-259	

TRIPLEXERS

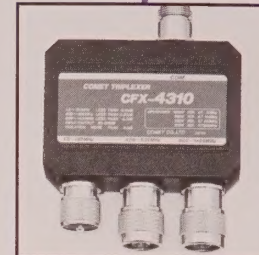


CFX-431A, CFX-431B
146/446/1200MHz

Band Pass	Ins. Loss	Max Power
1.3-60MHz	0.2dB	1000w PEP
100-150MHz	0.2dB	800w PEP
350-500MHz	0.3dB	500w PEP
840-1.4GHz	0.4dB	200w PEP

Isolation: 50dB

CONNECTORS:	CFX-431A	CFX-431B
Output:	N-Female	N-Female
Low In:	PL-259	PL-259
Mid In:	N-Male	PL-259
High In:	N-Male	N-Male

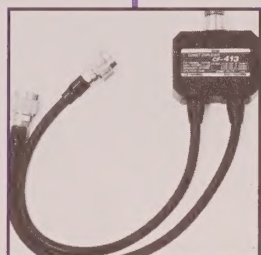


CFX-4310B, CFX-4310C
146/446/1200MHz

Band Pass	Ins. Loss	Max Power
1.3-60MHz	0.15dB	1000w PEP
100-150MHz	0.25dB	800w PEP
350-500MHz	0.25dB	500w PEP
840-1.4GHz	0.3dB	200w PEP

Isolation: 50dB

CONNECTORS:	CFX-4310B	CFX-4310C
Output:	N-Female	N-Female
Low In:	PL-259	PL-259
Mid In:	N-Male	PL-259
High In:	N-Male	N-Male

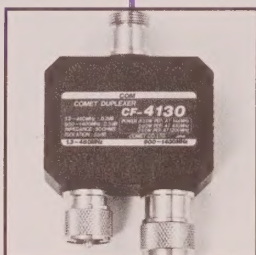


CF-413A, CF-413B
446/1200MHz

Band Pass	Ins. Loss	Max Power
1.3-150MHz	0.25dB	800w PEP
350-500MHz	0.25dB	500w PEP
840-1.4GHz	0.4dB	200w PEP

Isolation: 55dB

CONNECTORS:	CF-413A	CF-413B
Output:	N-Female	N-Female
Low In:	N-Male	PL-259
High In:	N-Male	N-Male

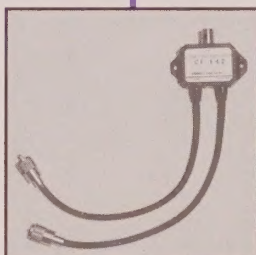


CF-4130A
446/1200MHz

Band Pass	Ins. Loss	Max Power
1.3-150MHz	0.2dB	800w PEP
350-500MHz	0.2dB	500w PEP
840-1.4GHz	0.3dB	200w PEP

Isolation: 55dB

CONNECTORS:	Output:	Low In:	High In:
	N-Female	N-Male	N-Male

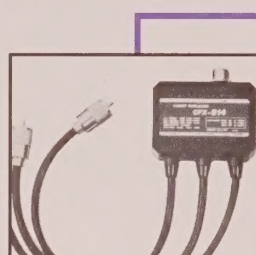


CF-142
146/220MHz

Band Pass	Ins. Loss	Max Power
1.3-150MHz	0.2dB	600w PEP
200-480MHz	0.3dB	400w PEP

Isolation: 40dB

CONNECTORS:	Output:	Low In:	High In:
	SO-239	PL-259	PL-259



CFX-514 50/146/446MHz

Band Pass	Ins. Loss	Max Power
1.3-90MHz	0.2dB	800w PEP
130-200MHz	0.25dB	800w PEP
380-500MHz	0.3dB	500w PEP

Isolation: 55dB

CONNECTORS:	Output:	Low In:	Mid In:	High In:
	SO-239	PL-259	PL-259	PL-259

CFX-5140: Without cable

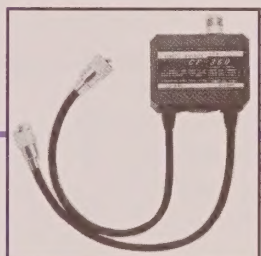


CFX-514J 50/146/446MHz

Band Pass	Ins. Loss	Max Power
1.3-90MHz	0.15dB	800w PEP
130-200MHz	0.2dB	800w PEP
380-500MHz	0.25dB	500w PEP

Isolation: 55dB

CONNECTORS:	Output:	Low In:	Mid In:	High In:
	SO-239	SO-239	SO-239	SO-239

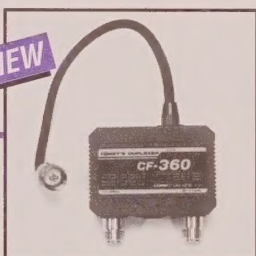


CF-360A
HF/6M-440MHz Duplexer

Band Pass	Ins. Loss	Max Power
1.3-30MHz	0.2dB	600w PEP
49-470MHz	0.2dB	600w PEP

Isolation: More than 45dB

CONNECTORS:	Output:	Low In:	High In:
	SO-239	PL-259	PL-259

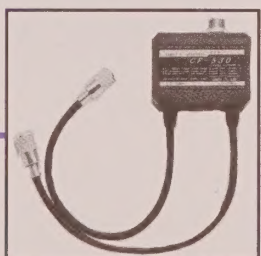


CF-360B
HF/6M-440MHz Duplexer

Band Pass	Ins. Loss	Max Power
1.3-30MHz	0.2dB	600w PEP
49-470MHz	0.2dB	600w PEP

Isolation: More than 45dB

CONNECTORS:	Output:	Low In:	High In:
	PL-259	SO-239	SO-239



CF-530
HF/2M-440MHz Duplexer

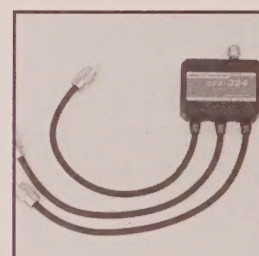
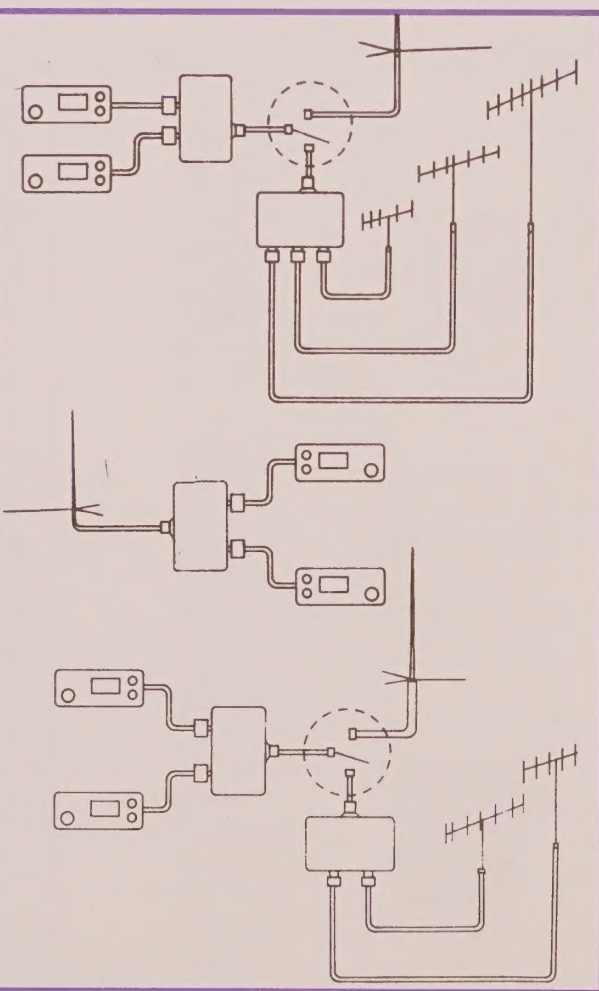
Band Pass	Ins. Loss	Max Power
1.3-90MHz	0.2dB	600w PEP
125-470MHz	0.2dB	600w PEP

Isolation: More than 45dB

CONNECTORS:	Output:	Low In:	High In:
	SO-239	PL-259	PL-259

DIAGRAMS

The following illustrations demonstrate the wide uses of COMET Duplexers, Triplexers, and Coax Switches. Their high-power capabilities and quality construction will enhance your stations performance.

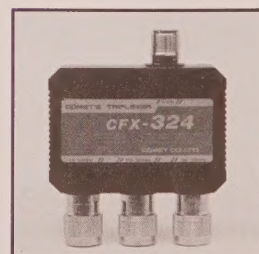


CFX-324A
146/220/446MHz Triplexer

Band Pass	Ins. Loss	Max Power
1.3-150MHz	0.2dB	600w PEP
200-320MHz	0.25dB	600w PEP
390-500MHz	0.3dB	600w PEP

Isolation: 40dB

CONNECTORS:	CFX-324A	CFX-324B
Output:	SO-239	SO-239
Low In:	PL-259	PL-259
Mid In:	PL-259	PL-259
High In:	PL-259	PL-259



CFX-324B

MOBILE MOUNTS



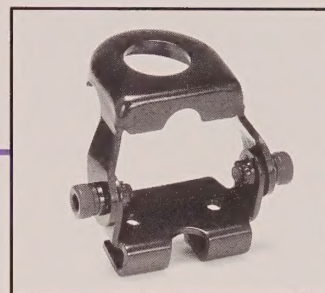
Detachable Connector
All Comet deluxe assemblies use this connector for easy installation.



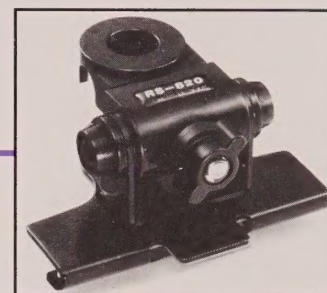
RS-81
Heavy-duty trunk lip, hatchback mount. Rubber-coated base protects vehicle paint. 5 large set screws. Ratchet style dial lock.



RS-21
Trunk, hatchback, rear door (van, blazer, etc.) mount. Adjustable to virtually ANY angle. Rubber-coated base protects vehicle paint.



RS-9
Small trunk-lip mount. Rubber-coated base, limited adjustment.



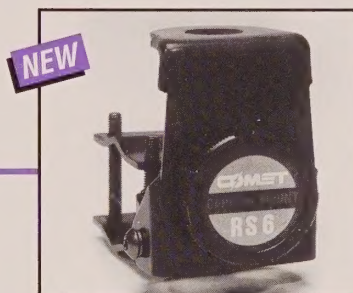
RS-820
Heavy-duty low profile trunk lip or hatchback mount. Rubber-coated base protects vehicle paint.



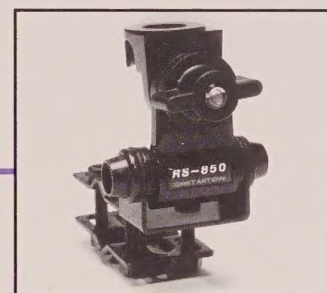
RS-500
Heavy-duty but small rain gutter mount. Ratchet style dial lock allows the antenna to be lowered while driving in low clearance structures.



RS-2
Small gutter mount with ratchet style lock.

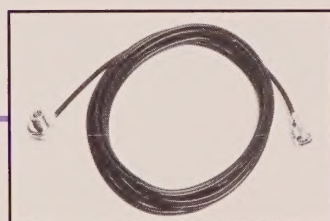


RS-6
Heavy-duty pipe clamp mount with ratchet style dial lock for mounting on small diameter roof racks, mirror mounts, ladders, etc. Can be mounted in vertical or horizontal position.



RS-850
Heavy-duty pipe clamp mount. Excellent for large diameter spare tire carriers. (Pathfinder, Blazer, etc.)

MOBILE MOUNTS AND COAX ASSEMBLIES



3D4M Standard Cable Assembly. 13.5 feet of low loss coax. Gold-plated UHF (PL-259/SO-239) connectors.

3D5M Standard Cable Assembly. Same as 3D4M, but 17 feet of coax.

3D4N Standard Cable Assembly with N-Connectors. Recommended to 900MHz.

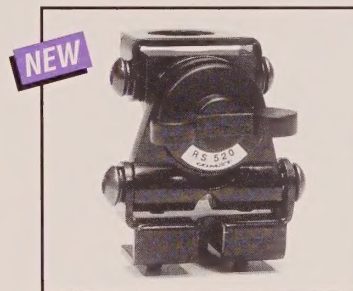


CK-3M Deluxe Cable Assembly. 10 ft. total length including 12 inches of RG-188 teflon coax for easy entry from a lip-mount, without causing coax or weather strip damage.

CK-3M5 Deluxe Cable Assembly. Same as CK-3M, but 17 feet of coax.



5D4N
13.5 feet of extremely low loss coax. Gold-plated N-type connectors. Recommended up to 2400MHz.



RS-520
Small but heavy-duty multi adjustable trunk or hatch-back mount. Easily adjusts to vertical position on most rear van doors as well. Rubber coated base protects vehicle paint.

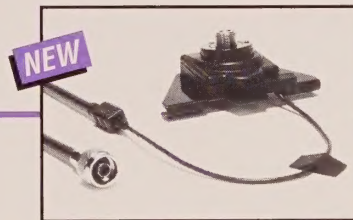


GR-5M Deluxe Trunk Mount w/Cable. A low-profile trunk mount w/16 feet very low loss cable, + 12" RG-188 teflon cable for easy trunk entry. Gold-plated UHF (PL-259/SO-239) connectors.

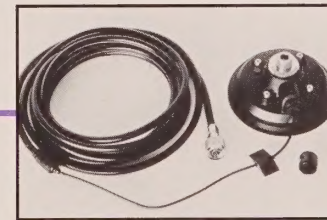
GR-5N Deluxe Trunk Mount w/Cable with N-Connectors.



WS-1M
Fully adjustable window clip mount. Low-loss coax, gold-plated connectors. Max antenna height: 40 inches. PL-259/SO-239 Connectors.



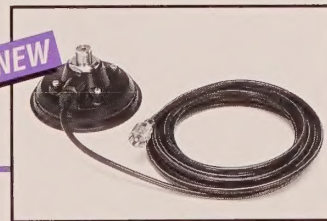
CQ-5M Deluxe Quick-Discount Trunk Mount. The antenna and connector easily disengages from the trunk mount base with the release of a lever for storage in your trunk for theft protection, car washes, etc. 2 offset washers rotate to adjust the antenna to vertical position. Rubber coated base protects the vehicle paint. 2-step deluxe cable assy w/Gold-Plated SO-239 and PL-259 connectors.



MS-5LXMM Deluxe Magnetic Mount. 13 feet double shielded very low loss coax. + 12" RG-188 teflon coax. Gold-plated UHF (PL-259/SO-239) connectors. 12 pole magnet, max antenna height 45". Magnet may be removed and cable used as separate piece.



CT-5M Standard Trunk Mount. A low-profile trunk lip mount w/16.5 feet of cable included. 2 offset washers rotate to adjust the antenna to vertical position. Rubber coated base protects vehicle paint. SO-239 and PL-259 connectors.



CM-5M Standard Magnetic Mount. 12 pole magnet with 17 feet of coax cable. Recommended for antennas up to 45 inches tall. Coax cable may be removed from the magnet for use with other mobile mounts, or as a hole mount later.

MS-3FVNN Standard Magnetic Mount with N-Connectors. Magnet may be removed and cable used as a separate piece.



CG-4M Standard Gutter Mount. Rain gutter mount including 13 feet of coax cable. SO-239 and PL-259 connectors.

Note: Coax cable and connectors are very important in providing good transmission conditions. An 8dBi gain antenna easily becomes a 0dBi gain antenna if inferior coax and cable is used. Please use Comet assemblies.

COMET



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